

Daily GLOWBUGS

Digest: V1 #32

via AB4EL Web Digests @ SunSITE

Purpose: building and operating vacuum tube-based QRP rigs

[AB4EL Ham Radio Homepage @ SunSITE](#)

%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%% GlowBugs %%%%%

Subject: glowbugs V1 #32

glowbugs

Thursday, May 15 1997

Volume 01 : Number 032

Date: Wed, 14 May 1997 13:19:21 -0500 (CDT)

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: Re: Hartley / coil wire

On Wed, 14 May 1997 rdkeys@csemail.cropsci.ncsu.edu wrote:

> For receivers, bell wire (no. 22 guage) makes excellent winding material,
> on the same type of forms. It is advantageous, for period looks, to
> lightly buff the coil forms with very fine sand paper or maybe a steel
> wool sponge to remove the modern lettering, and give it an antique
> appearance.

Another good source of wire for hookup and winding low power coils is
good old telephone wire. If you know someone in the phone biz, you can
probably get discarded cable in anything from 2 to 25 pairs easily.
Usually 26 to 22 Ga. Most phone cable has a string or thread in it
that if pulled, will slit the jacket so removal of the wire is easy.
If it doesn't have the thread, then use a seamstress' seam ripper
tool.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Wed, 14 May 1997 13:27:00 -0600

From: Alex Mendelsohn <alexm@pennwell.com>

Subject: AT-1

14 May 1997

Hi all:

Just dug up an old photo of my Novice station, circa 1959. Looking at the Heathkit AR-3 receiver (without the \$4.50 cabinet, which would've meant delivering a lot more newspapers), and the AT-1 transmitter made me wax nostalgic for those days of 1958-1960 when I ran that station.

I remember reading Poptronix magazine's Novie column (was it edited and conducted by Herb Brier?) and learning that Ivor Stafford, VK3XB, was QRV fer Novices on 40 meters. I set my alarm clock and tried to be very quiet at that wee hour, and finally worked him at 4 AM using my 25 watter and a dipole at about ten feet in height! I still treasure the QSL card.

In any case, I was wondering if any of glowbuggers might have an AT-1 and/or an AR-3 for sale or trade? I have a really clean, working Heathkit DX-35 AM/CW transmitter to trade, as well as some other junkie in the junkbox.

Watsa?

Vy 73, Alex, AI2Q in Kennebunk, Maine .-.-.

Date: Wed, 14 May 1997 15:24:39 -0400 (EDT)

From: **rdkeys@csemail.cropsci.ncsu.edu**

Subject: **Early regen manuals in typeset postscript now in archives**

I now have several of the early regen manuals, typeset, with all the figures/schematics/tables/photos, etc. (for as good as they will get out of what I have as originals), on-line in the Glowbugs Archives. These archives are made available through the good graces of one of our members, so be careful you don't nuke his machine.

The Glowbugs Archives are available by anonymous ftp at:

piobaire.mines.uidaho.edu/pub/Glowbugs

The manuals are in the Manuals sub-directory.

Currently the SE 143, SE 1220, SE 1440, and the IP-501-A manuals are there. More will follow as my fingers get time to type and scan and proof and survive the carpal tunnel syndrome.

If anyone has any favorite non-copyrighted early manuals for receivers or transmitters that they would like to see go into the Glowbugs Archives, kindly forward me a good clean xerox copy, and we will see what can be done with it.

The files are stored compressed in gnuzip format, so you will need to be able to ungnuzip the files locally to print them out. The gnuzipper for dos is there (gzip.exe) and the unix version is available from the prep.ai.mit.edu/pub/gnu/archives.

The files are PostScript and will only print out correctly on a PostScript printer. The files are HUGE when uncompressed, so make sure you have enough disk space to handle the load, and enough printer memory to handle the full-page schematics and photographs. Read the readme files. If you don't have a PostScript printer available, sorry, they will not be printable

except perhaps through the GhostScript intermediate, and you are on your own for that one. The ascii versions of the manuals are there if all else fails.

Good Luck

73/ZUT DE NA4G/Bob UP

Date: Wed, 14 May 1997 12:31:50 -0700

From: "A Redshirt" <occupant@ns.net>

Subject: Re: Phoenix Xtals

- -----

> From: R. Eric Sluder <sludere@gte.net>

> Subject: Phoenix Xtals

> Date: Wednesday, May 14, 1997 12:15 PM

>

> Curiosity question - has anyone received their ordered of xtals from

> John at Phoenix? I dropped John an email yesterday and hadn't heard

> back yet, which made me wonder if anyone has received their order as of

> yet?

Nope, not here yet. Bet he's busy!

de John

occupant@ns.net

- --

Date: Wed, 14 May 1997 12:45:03 -0700

From: Richard Wilkerson <richqrp@cts.com>

Subject: Re: Phoenix Xtals

R. Eric Sluder wrote:

>

> Curiosity question - has anyone received their ordered of xtals from

> John at Phoenix? I dropped John an email yesterday and hadn't heard

> back yet, which made me wonder if anyone has received their order as of

> yet?

>

> I'm sure he got swamped with orders at such a great deal. I sent my

> check back on 4/19 so it's been almost a month.

>

> Just curious and anxious, (got a DX-20 calling my name)

>

> Eric

>

> --

> ~~~~~

> R. Eric Sluder, KB9BGS

> 3339 Eden Way

> Carmel, IN 46033-3070 USA

> <><

> ~~~~~

Yes, I have had mind for quite a while now, didn't take long at all!!!!!!

- --

Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ScQRPions, E.C.R.A.

Date: Wed, 14 May 1997 19:30:02 -0400
From: John Levreault <jlevro@shore.net>
Subject: Re: Phoenix Xtals

At 12:15 PM 5/14/97 -0700, R. Eric Sluder wrote:

>Curiosity question - has anyone received their ordered of xtals from
>John at Phoenix? I dropped John an email yesterday and hadn't heard
>back yet, which made me wonder if anyone has received their order as of
>yet?

>

>I'm sure he got swamped with orders at such a great deal. I sent my
>check back on 4/19 so it's been almost a month.

>

>

My check went out on 4/2 and nothing has been received yet. I emailed him about 2 weeks ago and he said they'd be going out within the next "few days". Hmm.

73 de NB1I
John Levreault

Date: Wed, 14 May 1997 17:05:04 -0700 (PDT)
From: JMcAulay <jmc@QNET.COM>
Subject: Re: Hartley

Hi, all:

Bob has given out the good words on mica capacitors, and here's my \$0.02 worth of Things to Remember:

They almost never fail. When they do, it's either voltage punch-through from exceeding the voltage rating, or from overheating due to exceeding the unit's current rating. We don't usually think of capacitors as even having a current rating, but yep, they do, and if you exceed it, a mica unit (or any other, for that matter) will heat up and it may die. That's why the postage-stamp jobbies don't make it as output coupling caps in transmitters, for instance. Although you might have a unit within its DC voltage rating, excessive RF current can kill it.

Also, making caps out of glass plates can be a real hoot. Been there, done that. Also had caps that blew apart due to poor dissipation factor as a result of using the wrong kind of glass. For example, even slight lead content is a big no-no.

One o' these days, I'd really like to build a transmitter (or receiver, or SOMETHIN') from all home-made parts. Now THAT would be real homebrew.

73
John WA6QPL

Date: Wed, 14 May 1997 18:11:34 -0700 (PDT)
From: tomrice@netcom.com (Tom R. Rice)
Subject: Re: Phoenix Xtals

>
> My check went out on 4/2 and nothing has been received yet. I emailed him
> about 2 weeks ago and he said they'd be going out within the next "few
> days". Hmm.

C'mon, he's just one overworked guy trying to do a
job. Not to gloat, but I was one of the first to
send in my check for the 40-meter "General" set and
they arrived in a tad more than two weeks.

Patience is indicated, if only to preserve this
unique natural resource. What would we do if
he got fed up and said "screw it!"?

73 de WB6BYH, whose 6T9 rig is finished and puts
a solid 5 watts into a 50-ohm load. Now to get
an antenna up!

"Remember, you must always grind forward, never backwards."
--Sally to Buster in "The Cameraman"

- --
"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com
CIS: 71160,1122

Date: Wed, 14 May 1997 21:19:17 +0000
From: "Brian Carling (Radio G3XLQ / AF4K)" <bry@mnsinc.com>
Subject: Re: Maximum tube operating voltages explained

Great stuff on the 6GW8 / ECL86 Jan.

I think that you can actually run them at a little more, perhaps 350V
DC but that would be pushing it.
I have an old Knight audio amp that uses a 6293 P-P final stage, and they LOOK
just like 6BQ5 / EL84 9-pin power amplifiers, BUT they are rated for
operating at 400V DC on the anodes and this thing supplies more than
that to them! It produces about 40 American watts (20 British watts)
of audio!

On 13 May 97 at 13:20, Jan Axing spoke about Maximum tube operating
voltages exp and said:

> (My reply to the 6T9 thread went into the bit bucket. If you have
> seen this before then I'm sorry for the multiple...)
>
> Hi all;
>
> I recently saw some questions on the max operating voltage of tubes.
> I did some research in an old Philips tube manual and found this;
> (cited directly from the book)
>
> "During operation the DC anode or screen voltages should not exceed
> the max. stated value for Va or Vg2."
>
> "If, during operation, both an alternating and a direct voltage are
> present simultaneously on anode or screen grid, the peak value may
> approach (but should not exceed) the max. limit for Vao or Vg2o on
> the condition that the instantaneous value of the current at that
> moment is approximately zero."
>
> Va = 300V and Vao = 550V for 6GW8/ECL86. The manual defines Vao as
> "voltage at cutoff". My interpretation of this; for a resistance
> loaded amplifier the B+ should be max 550V and operating point plate
> max 300V. For a choke coupled amplifier like the ubiquitous RF power
> amp shunt fed with a choke, B+ should be max 300V. The tank will
> flywheel the instantaneous plate voltage well above but should stay
> under 550V. Max B+ in class C service is a little more complicated
> but you can probably increase B+ a little since the tube is well
> into cutoff when the tank peaks. Keep the plate dissipation, though.
> That is if you want to stay within the specs, but who does? <g>
>
> 73 all
> --
> Jan, SM5GNN
> Linköping, Sweden
> janax@algonet.se
> janax@li.icl.se
>

Date: Wed, 14 May 1997 21:19:18 +0000
From: "Brian Carling (Radio G3XLQ / AF4K)" <bry@mnsinc.com>
Subject: Re: AN/GRC-109 -- one gotcha

It's easier than that.

What they tell me is that for the 1L6 you just use a 1R5 and
cut off PIN 5 (I believe).

Maybe the incident CONard refers to is one where somebody made a
mistake or had a bad 1R5 ??? I dunno.

The purists who own Zenith Transoceanics don't want to do that of
course, but it they say that it does work!

If someone wants to know, ask the guys on rec.audio.tubes
or rec.radio.shortwave for details. You DON'T need to modify the
radio according to what I was told.

Regards - Bry

On 12 May 97 at 13:15, michael silva spoke about AN/GRC-109 -- one gotcha and said:

> Hi all,
>
> This radio does sound like a neat piece of kit, and I'm tempted to
> order one myself, but according to the Fair Radio catalog it uses
> the dreaded 1L6 tube for the receiver mixer. For those who don't
> follow the ins and outs of the tube market, the 1L6 is becoming
> unobtainium. Prices have gone from around \$10 a couple of years ago
> to \$30-\$35 now. There *are* a few work-arounds, involving various
> amounts of rewiring and/or socket changeovers, etc. Is there room
> in the radio for an octal or loctal socket in place of the 1L6
> socket?
>
> 73,
> Mike, KK6GM
>
>

Date: Wed, 14 May 1997 21:19:18 +0000

From: "Brian Carling (Radio G3XLQ / AF4K)" <bry@mnsinc.com>

Subject: Re: BA/GB Roundtable Funzies --- Tuesday and Wednesday Nites

I am on right now calling CQ on 3579 kHz and it is REALLY noisy!
The QRN is crashin away at about S9 + 20 dog bickies here!
I called CQ and of course no reply - (at 0110 UTC) so I'll tries it
again and see if the venerable BA Bob has Big Bertha Marine ready to
fire up yet to night or if he has yet to stoke the fires up on the steam
generator!!

Ah yes, the days of STEAM RADIO!!

Bry, AF4K

On 13 May 97 at 13:41, rdkeys@csemail.cropsci.ncsu.e spoke about
BA/GB Roundtable Funzies --- Tuesda and said:

> OK, since there seems to be some interest in them thar 80M
> glowingboxen hows abouts we plys de ol' 80M ethers Tuesday and
> Wednesday nites, anytime after dark, on de ol 3579R545 +-QRM QRG. I
> will put the AN/SRT-14 and Big Bertha Radiomarine on the QRG, and
> sees abouts a'firin' up ol' Grandma Hartley and Twinnie Triode
> Tickler if anyone shows up.
>
> Here be da time ta fires ye up yer spyboxenbottleburners an' rite
> fine breadboards an' da likes.....
>
> I will make a round of calls each 15 minutes for a 2x2 round of
> calling, an' sees wats me can sees an' 'ears wats me can 'ears.
>
>
> QTR 0000-0600Z (or whenevers ye timbers gets horizontil)

>
> QRG 3579R500KHZ (in/around/over the rittyrattyebingbang stuff)
>
> CALL CQ BA CQ BA DE <yourcall> <yourcall> K
>
>
> 73/ZUT DE NA4G/Bob UP
>
>

*** 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA *
** E-mail to: bry@mnsinc.com *
*** See the great ham radio resources at: *
** <http://www.mnsinc.com/bry/> *

Date: Wed, 14 May 1997 18:44:46 -0700
From: Richard Wilkerson <richgrp@cts.com>
Subject: Re: Phoenix Xtals

Tom R. Rice wrote:

>
> >
> > My check went out on 4/2 and nothing has been received yet. I emailed him
> > about 2 weeks ago and he said they'd be going out within the next "few
> > days". Hmm.
>
> C'mon, he's just one overworked guy trying to do a
> job. Not to gloat, but I was one of the first to
> send in my check for the 40-meter "General" set and
> they arrived in a tad more than two weeks.

> Tom R. Rice
> tomrice@netcom.com
> CIS: 71160,1122

Yes please give the guy a break. I agree with Tom. I sent in my
request for the "general" set and got it in a few weeks.
73's.....rich

- --

Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ScQRPions, E.C.R.A.

Date: Thu, 15 May 1997 04:07:05 utc
From: wb0aaq@juno.com (FREDERICK I VAN ARTSDALEN)
Subject: n0acs@juno.com (John R. Morris): PHOENIX CRYSTAL GROUP BUY.

- ----- Begin forwarded message -----

From: n0acs@juno.com (John R. Morris)
To: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: PHOENIX CRYSTAL GROUP BUY.

Date: Thu, 15 May 1997 00:46:13 EDT
Message-ID: <19970514.223702.6847.7.N0ACS@juno.com>

Shipping status. In order to let everyone know what the order status is I am currently shipping orders as fast as I can get them made and shipped. To really put the process in perspective.....I could say I had one order, and that doesn't sound like much, but consider that I have an order for all three sets of crystals (19 crystals)....well now that's going to take some time to process, make and ship. Well I've got to say I really appreciate all the support and orders which everyone sent in.....but I never in my wildest dreams thought so many of you would order all 3 sets. Maybe some of you didn't know how long I was going to keep doing this.....so you really decided to stock up, or maybe it was just that it was a real good bargain, anyway it looks like I will be another 30 to 40 days before I have all the orders completed. RIGHT NOW I AM SHIPPING ORDERS THAT HAVE BEEN ENTERED FOR ABOUT 30 DAYS.....So I ask for your understanding and patience.....I'm working as fast as I can, including next Saturday and Sunday.

72
John/PHOENIX CRYSTALS
- ----- End forwarded message -----

Date: Thu, 15 May 97 08:38:49 EDT
From: jkh@lexis-nexis.com (John Heck)
Subject: Re: Phoenix Xtals

Worryworts,
I got my Novice 40m 7 crystal set about 10 days ago. Very nicely done, I think. He will be getting more orders from me.
Regards,
John Heck, KC8ETS
1009 Donson Drive
Dayton, Ohio 45429
(513)865-7036(work)
jkh@lexis-nexis.com

>
> >
> > My check went out on 4/2 and nothing has been received yet. I emailed him
> > about 2 weeks ago and he said they'd be going out within the next "few
> > days". Hmm.
>
> C'mon, he's just one overworked guy trying to do a
> job. Not to gloat, but I was one of the first to
> send in my check for the 40-meter "General" set and
> they arrived in a tad more than two weeks.
>
> Patience is indicated, if only to preserve this
> unique natural resource. What would we do if
> he got fed up and said "screw it!"?
>
> 73 de WB6BYH, whose 6T9 rig is finished and puts
> a solid 5 watts into a 50-ohm load. Now to get
> an antenna up!
>

>
> "Remember, you must always grind forward, never backwards."
> --Sally to Buster in "The Cameraman"
>
>
> --
> "Start off every day with a smile and get it over with." --W.C.Fields
> Tom R. Rice
> tomrice@netcom.com
> CIS: 71160,1122
>

Date: Thu, 15 May 1997 09:21:56 -0400
From: John Levreault <jlevro@shore.net>
Subject: Re: Phoenix Xtals (digression)

At 06:11 PM 5/14/97 -0700, Tom R. Rice wrote:

>>
>> My check went out on 4/2 and nothing has been received yet. I emailed him
>> about 2 weeks ago and he said they'd be going out within the next "few
>> days". Hmm.
>
> C'mon, he's just one overworked guy trying to do a
> job. Not to gloat, but I was one of the first to
> send in my check for the 40-meter "General" set and
> they arrived in a tad more than two weeks.
>
> Patience is indicated, if only to preserve this
> unique natural resource. What would we do if
> he got fed up and said "screw it!"?
>
>

Lighten up a bit, Tom, I was just stating the facts. Listen, I'm a patient guy, and Phoenix is a most welcome resource that I would not want to alienate. I admit, though, that I have a slight problem with someone who takes your money up front and then can't give you a direct answer as to the status of your order. Hey, we're all overworked: schedules slip, and I've been known to stretch things out a bit myself, but I will admit to being a bit sensitive here.

A few years back I worked as the Marketing manager for a division of a large semiconductor company. Business in the division had been on a slow slide downwards for a couple of years. When I probed the Sales staff for possible sources for the problem, they responded that there was a problem with getting orders scheduled, calling into question the division's ability to actually ship certain parts. I did a bit of research and discovered that there was a "metric" in place as part of the corporate Quality program that measured the division's ability to meet their delivery commitments. Well, in some cases, a particular part was not in production, was having an engineering or design or packaging problem, etc., so the division would simply accept the order but not schedule it, for risk of "guessing" at a ship date and blowing their metric calculation, on which a quarterly bonus hinged.

I found a simple solution. Utilizing a field-accessible order entry screen

on the corporate computer system, I requested that Production indicate *when* it would be able to schedule an order for a part on hold. Surprisingly, it was usually only a week or two! The sales person could then accept the order, check status, and if the part was on hold, he/she could relay that information to the customer and give them a date for when the part could be scheduled. The customers bitched a bit at first, but I kept on top of Production to resolve their "on hold" list. Customers could then be given accurate delivery info in a much more timely fashion and make their purchasing plans accordingly. I also found that rapport with the Sales staff increased tremendously, because now they weren't tossing orders into a black hole.

Bookings increased by 30% in the first year of this program. I'm gloating.

And you're gloating, too :-).

73 de crystal-less NB1I
John Levreault

Date: Thu, 15 May 1997 09:03:52 -0700
From: "R. Eric Sluder" <sludere@gte.net>
Subject: re: Pheonix Xtals status

Thanks to all who replied! Sounds like the faster you got your check in the beginning the better off you are. John did reply and he's got my order and working harder than ever! I'm impressed with him all ready if just for his diligence.

Didn't mean to start anything by my inquiry - I'm not suspicious of any foul play; I'm not a worrywort; just anxious! He told me it'd be another 30 days before I should start bugging the mailman again. Thats okay, I'll just continue work on my ground system in the meantime (of course in between mowing the grass every four days.... blasted rain)!

Now to prepare for DAYTON!!!

73,

Eric

--

~~~~~  
R. Eric Sluder, KB9BGS  
3339 Eden Way  
Carmel, IN 46033-3070 USA  
<><  
~~~~~

Date: Thu, 15 May 1997 9:17:00 -0600
From: Alex Mendelsohn <alexm@pennwell.com>
Subject: FW: [TenTec] Corsair II problem

Hi Clark:

Before you shoot the UPS guy (wasn't he the one that stole a few megs of 220?), open the set and give it a thorough visual inspection, checking all connectors to make sure they're seated, boards are seated on their pins, etc. It's quite likely you'll find something was jarred. Remember, it's all solid state, and it's unlikely anything is bad inside. One of the first things any technician does when encountering a defective piece of gear is start with a visual inspection. It's amazing what you may find, see or hear!

Good luck es vy 73, Alex, AI2Q in Kennebunk, Maine .--.

From: Clark Savage Turner WA3JPG
To: ALEXM; 'TENTEC@SMTP <tentec@contesting.com>'
Cc: 'TURNER@SMTP <turner@safety.ICS.UCI.EDU>'
Subject: [TenTec] Corsair II problem
Date: Wednesday, May 14, 1997 10:55PM

Hello All:

I just got a Corsair II via UPS, the box has a small gouge, but the rig didn't get gouged, though it doesn't work.

Anyone ever have experience with this problem:

1. Receiver very weak, no S meter readings even though weak sounding signals present (other receiver over S9 all over the place)
2. PBT has NO EFFECT on any signals I can receive
3. I can hear both sidebands even in SSB mode, can go up and down on a carrier from above to below.

I suspect a filter got shaken and one of the crystals is not working much anymore. Does this make sense? A bad filter attenuating the signals and allowing both sidebands to come through?

Now, does the lack of any PBT activity tell me which filter to suspect? Is it likely the 6.3 IF filter or the 9 IF filter? I have a spare 9 sitting in a box, and may swap it out (though it is soldered in! Didn't expect that.)

Anyone here have any tips to claim the damages against UPS? I trust the guy who shipped to me, and he had run it and it worked fine before he shipped it to me (packed with solid styrofoam frame and odd styrofoam and paper packing.)

Thanks for any help you might give me.

Clark
WA3JPG

--
FAQ on WWW: <http://www.contesting.com/tentecfaq.htm>
Submissions: tentec@contesting.com
Administrative requests: tentec-REQUEST@contesting.com
Problems: owner-tentec@contesting.com

Date: Thu, 15 May 1997 10:28:58 -0400
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>
Subject: Re: Maximum tube operating voltages explained

At 09:19 PM 5/14/97 +0000, you wrote:

.. It produces about 40 American watts (20 British watts)
>of audio!

AWRITE, BRY! Explain this, please!

Humpfff....!!!

- -- Roy Morgan/Building 820, Room 517/Gaithersburg MD 20899
(National Institute of Standards and Technology)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

Date: Thu, 15 May 1997 10:02:36 -0500 (CDT)
From: mjsilva@ix.netcom.com (michael silva)
Subject: Re: AN/GRC-109 -- one gotcha

Brian wrote:

>

(re scarcity/expense of 1L6 tubes...)

>It's easier than that.

>

>What they tell me is that for the 1L6 you just use a 1R5 and
>cut off PIN 5 (I believe).

>The purists who own Zenith Transoceanics don't want to do that of
>course, but it they say that it does work!

>

>If someone wants to know, ask the guys on rec.audio.tubes
>or rec.radio.shortwave for details. You DON'T need to modify the
>radio according to what I was told.

Somebody on rec.antiques.radio+phono made some measurements and I seem
to remember he said you lose 20db with this trick (the grids end up
beign used "backwards" in the 1R5).

73,
Mike, KK6GM

Date: Thu, 15 May 1997 09:05:00 -0600 (MDT)
From: dfrancis@iex.net (Dexter Francis)
Subject: Return Address mess up....

My appologies for the return address mess up in yesterday's posting.

My normal e-mail computer was broken and I was using Microsoft Mail on a DEC Alpha, rather than Eudora on my Mac, and apparently the return address was wrong.

I still have the R-11 coil sets, if anyone is interested and couldn't get thru to me.

- -df

* CWest Tube Sales - P.O.B. 22443 SLC, UT 84122 *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *

Date: Thu, 15 May 1997 11:58:50 -0400
From: John Levreault <jlevro@shore.net>
Subject: Re: Phoenix Xtals

At 06:44 PM 5/14/97 -0700, Richard Wilkerson wrote:

>Tom R. Rice wrote:

>>

>> >

>> > My check went out on 4/2 and nothing has been received yet. I emailed him

>> > about 2 weeks ago and he said they'd be going out within the next "few

>> > days". Hmm.

>>

>> C'mon, he's just one overworked guy trying to do a

>> job. Not to gloat, but I was one of the first to

>> send in my check for the 40-meter "General" set and

>> they arrived in a tad more than two weeks.

>

>

>

Sorry to raise a ruckus. Somebody came on the list and asked if they were the only ones who hadn't received their order after what was perceived to be a long time. Well, no, as a matter of fact, mine have yet to arrive.

I contacted John at Phoenix Crystals after a month had elapsed from when I had mailed my check, and he cheerfully informed me that my order had not been lost (which was why I contacted him) and that he hoped to ship that Friday. Well, it's been over 2 weeks since then, but I have no reason to believe that I won't receive my order soon, only that he obviously has been swamped due to a surprisingly favorable response to this wonderful thing that he has chosen to do. I'm painfully aware of the trials and tribulations of the small shop because I am one. I fully understand and intended no ill voice towards Phoenix Crystals.

de NB1I

Date: Thu, 15 May 1997 09:03:02 -0700 (MST)
From: Jeff Duntemann <jeffd@coriolis.com>
Subject: Re: Mute input for the Clegg 99er?

The Junkbox Radio Net is my name for an informal (maybe someday to be

formal...but how formal can boatanchors get?) net for AM on 6 meters, for now local in the central Arizona area. It happens on Sunday night at 7pm local time, which for the summer is the same as Pacific time. (Arizona doesn't do the Daylight Savings thing...unless you're an Indian, in which case you do. No, I don't get it either, but it makes it a challenge out here to know when Seinfeld is REALLY on...)

We've had as many as five stations in the net, with diverse boxes like my Clegg 99er, a Sixer, a Clegg Zeus/Interceptor pair, and a Johnson 6&2, and soon (I hope this Sunday!) my recently shaken out and tuned up Ameco TX-62. Riceboxes won't be laughed off the air--but don't try to claim you're running a Seneca! (We'll know...)

6 meters is great fun and if there are clusters of glowbuggers in other areas, you might consider passing the word and getting a 6m AM net underway if there isn't one in your area already.

The frequency is 50.4. 6 is strictly a local band right now, but this will change...and we still get bursts of Sporadic E from time to time.

- --73--

- --Jeff Duntemann KG7JF

At 09:19 PM 5/14/97 +0000, Brian Carling (Radio G3XLQ / AF4K) wrote:

>When and where is the "JUNKBOX NET?"

>

>HF? What day & time too please!

>

>Bry, AF4K

>

>On 12 May 97 at 8:51, Jeff Duntemann spoke about Mute input for the

>Clegg 99er? and said:

>

>> I wasn't home last night for the Junkbox Net, but by next Sunday I

>> hope to have the new and more powerful setup in place.

>>

>> --73--

>>

>> --Jeff Duntemann KG7JF

>> Scottsdale, Arizona

>>

Date: Thu, 15 May 1997 09:15:33 -0700 (MST)

From: Jeff Duntemann <jeffd@coriolis.com>

Subject: Re: Hartley

At 05:05 PM 5/14/97 -0700, JMCAulay wrote:

>Also, making caps out of glass plates can be a real hoot. Been there, done
>that. Also had caps that blew apart due to poor dissipation factor as a
>result of using the wrong kind of glass. For example, even slight lead
>content is a big no-no.

>

>One o' these days, I'd really like to build a transmitter (or receiver, or
>SOMEthin') from all home-made parts. Now THAT would be real homebrew.

Somewhere at home I have a little book that I bought from RF Parts years ago, which is a sort of eccentric memoir of an RF engineer who used to wander around the Third World building shortwave broadcast transmitters out of bamboo strips and baling wire. (Or so it seemed...) Actually, he gave schematics and sketches and hard technical information, and the book is worth having. In it he described how to make your own transmitting mica capacitors out of sheet mica (and where to get that is perhaps still a puzzle) and 2" PVC pipe fittings.

His "big" circuit consists of 2 833A's modulating 2 833A's, and once I become a bored retired guy I'll be strongly tempted to build it, hold the bamboo.

Alas, I don't recall the exact title, but it was something like "Secrets of an RF Engineer" or something. Check the RF Parts catalog; I think it's still in there.

Sheet Teflon is readily available, and I've wanted to lash up a cap out of 2" copper plates and 2" sheets of Teflon and see what its capabilities would be. My guess is it would handle a LOT of RF. I think ARRL has published dielectric figures for Teflon somewhere, and it would be ten minutes with a calculator to figure out the rough dimensions of a workable transmitter blocking cap that could handle 150 watts of RF.

Now here's a question for you RF wizards: I know iron is a bad material for inductors, but does the same thing apply to iron as used in capacitor plates? I have some Erector set semicircular plates that are an ideal size and shape for a transmitting cap, if iron will work at all.

- --73--

- --Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Fri, 16 May 1997 00:19:44 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: Freebie "mini-list"

Some odds and ends for those thinking of the most original excuses. "Ware's Rules" prevailing. You guys have been very kind to me in the past. Time for an offering (very small....more to eventually follow.)

1.) A REAL boatanchor/glowbug! "Microvox" wireless mike, with tube, with stand. Looks OK, untested. Allied Radio used to sell these for young budding "broadcasters"

2.) Two Amperex Z502S cold-cathode decade counter tubes. These are the same as the Burroughs tube (5902? Don't remember the exact number, it's been too long ago!) Pull outs from an old "DX Navigator" Loran receiver.

3.) IRC "Loudness control" in box with original booklet. (IRC type LC-1)
Untested, box is grubby but all intact, cap. on unit looks like it will have to be replaced (cracked...these old black plastic caps did that!) Used in place of volume control in a standard receiver for "Hi-fi" audio. This one has an AC switch attached to rear deck even!

4.) Precision Model 864 Volt-Ohm-Milliammeter. Has a BIG 10" meter!
Will need TLC to restore. You can read this one across the shop!

5.) EICOR 115 volt three phase 400 cycle inverter. 28 VDC input.
Needs cleaning up but works! Very little wear on commutator/slip rings.
Just the thing for you aircraft
gear addicts needing some 3 phase 115 v. 400 Hz!

6.) DM-32 Dynamotor (for SCR-274N or ARC-5 receiver). Missing one
end bell.

All I want out of this is shipping costs, especially on the last
three items!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: 860 tubes, WL-460 tubes

Butternut HF2V antenna, G-R test gear.....

End of glowbugs V1 #32

%%%% GlowBugs %%%% GlowBugs %%%% GlowBugs %%%% GlowBugs %%%%

[AB4EL Ham Radio Homepage @ SunSITE](#)

Created by **Steve Modena, AB4EL**

Comments and suggestions to **modena@SunSITE.unc.edu**
